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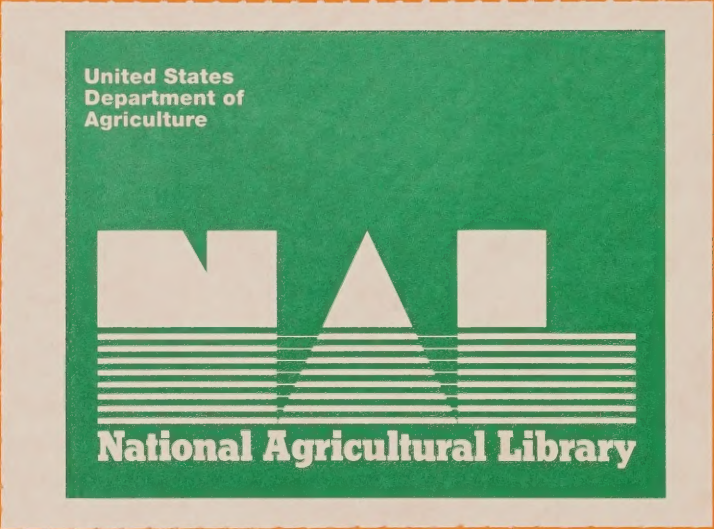
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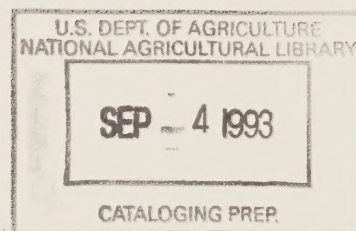
Spatial Analysis Applied to Natural Resource Management



A COMPENDIUM OF REFERENCES TO PUBLICATIONS ON SPATIAL ANALYSIS
APPLIED TO NATURAL RESOURCE MANAGEMENT
AS AUTHORED BY U. S. UNIVERSITY FACULTY MEMBERS

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METHODOLOGY

The literature references contained in this volume have resulted from search of computerized literature sources, by contacts with government agency personnel, or through letters of inquiry to over 500 university faculty members and affiliates. The intent was to determine who in the U. S. is doing active work in spatial analyses that is likely to have the greatest impact on education for natural resource management.

Using GIS software and hardware to produce maps has become a commonplace activity that can be learned through training, either by individuals acting alone or through pre-designed training packages. What is more difficult are meaningful analyses of spatial data that will have real impacts on improved resource decisions. The effort required here is more educational than training, and will involve the long term cooperation of educational institutions. The motivation behind the compilation of this compendium was the premise that spatial concepts and spatial analysis capabilities must be woven into the fabric of natural resource education and fundamental research programs. The literature listed here is an indicator of how well and where this paradigm change is taking root.

Literature references from over 280 university faculty members have been compiled. Requests to verify references found by computer search have been sent to all of the authors, and input from an equal number of others with no known publications has been requested. These references are compiled here, in alphabetical order by author. No attempt has been made to develop a subject-matter classification, but the zip code index at the end of the document should help geographical neighbors to find each other.

Guidelines for selection of references:

The 280 authors listed here have, among them, written several thousand articles about a variety of subjects. No judgements have been made here as to the "quality" of the work reported, and usually there have been no checks for the accuracy of the reference. However, one task was to judge the relevance of each article to the general topic of spatial analyses applied to natural resources - usually this judgement was applied to determine the "most relevant" of an individual's publications, and responses from individual authors were very helpful in making this judgement. Another task was to give preference to the latest and most accessible articles. Some consideration in establishing preference were:

References furnished by authors were preferred over references found by other literature searches.

Articles in regularly published refereed journals, or books printed by established commercial publishing firms, were preferred over articles in proceedings.

Articles listed by the author as "In press" or "Accepted" for a particular journal were listed as "In press" with a 1992 date (even though the actual publication date may well be later). Author supplied listings "In preparation" or "To be submitted" were not included.

Articles published by an organization that maintains a numbered series of publications were preferred over similar documents without a numbered series.

More recent articles were preferred over older articles with similar titles. PhD dissertations were included, unless the author had more recently published a more accessible article with a similar title.

MS theses and unnumbered internal reports were not included.

References to talks presented at meetings were not included unless there seemed to be a written publication that would be available at most major libraries.

If two or more authors of an article are listed in this compendium, the reference is listed only under the name of the first-named author.

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